# SOLICITATION, OFFER AND AWARD

| 1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) | RATING | PAGE 1 OF PAGES 46 |
|---|---|---|
| | | |

| 2. CONTRACT NO. | 3. SOLICITATION NO. | 4. TYPE OF SOLICITATION | 5. DATE ISSUED | 6. REQUISITION/PURCHASE NO. |
|---|---|---|---|---|
| | W912P6-07-R-0008 | [ ] SEALED BID (IFB)<br>[X] NEGOTIATED (RFP) | 08 Aug 2007 | W81G6671733540 |

| 7. ISSUED BY | CODE | 8. ADDRESS OFFER TO (If other than Item 7) | CODE |
|---|---|---|---|
| U. S. ARMY ENGINEER DISTRICT, CHICAGO<br>111 NORTH CANAL STREET SUITE 600<br>CHICAGO IL 60606-7206<br>TEL:<br>FAX: | W912P6 | **See Item 7**<br>TEL:<br>FAX: | |

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

## SOLICITATION

9. Sealed offers in original and 2 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in REFER TO BLK #7 ABOVE until 04:30 PM (Hour) local time 10 Sep 2007 (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

| 10. FOR INFORMATION CALL: | A. NAME | B. TELEPHONE (Include area code) *(NO COLLECT CALLS)* | C. E-MAIL ADDRESS |
|---|---|---|---|
| | REGINA G. BLAIR | 312.846.5371 | regina.g.blair@usace.army.mil |

11. TABLE OF CONTENTS

| (X) | SEC. | DESCRIPTION | PAGE(S) | (X) | SEC. | DESCRIPTION | PAGE(S) |
|---|---|---|---|---|---|---|---|
| | | **PART I - THE SCHEDULE** | | | | **PART II - CONTRACT CLAUSES** | |
| X | A | SOLICITATION/ CONTRACT FORM | 1 | X | I | CONTRACT CLAUSES | 30 - 31 |
| X | B | SUPPLIES OR SERVICES AND PRICES/ COSTS | 2 | | | **PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS** | |
| X | C | DESCRIPTION/ SPECS./ WORK STATEMENT | 3 - 27 | | J | LIST OF ATTACHMENTS | |
| | D | PACKAGING AND MARKING | | | | **PART IV - REPRESENTATIONS AND INSTRUCTIONS** | |
| X | E | INSPECTION AND ACCEPTANCE | 28 | X | K | REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS | 32 - 38 |
| X | F | DELIVERIES OR PERFORMANCE | 29 | | | | |
| | G | CONTRACT ADMINISTRATION DATA | | X | L | INSTRS., CONDS., AND NOTICES TO OFFERORS | 39 - 43 |
| | H | SPECIAL CONTRACT REQUIREMENTS | | X | M | EVALUATION FACTORS FOR AWARD | 44 - 46 |

## OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

| 13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8) | |
|---|---|

| 14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated): | AMENDMENT NO. | DATE | AMENDMENT NO. | DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |

| 15A. NAME AND ADDRESS OF OFFEROR | CODE | FACILITY | 16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print) |
|---|---|---|---|
| | | | |

| 15B. TELEPHONE NO (Include area code) | 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. | 17. SIGNATURE | 18. OFFER DATE |
|---|---|---|---|
| | ☐ | | |

## AWARD (To be completed by Government)

| 19. ACCEPTED AS TO ITEMS NUMBERED | 20. AMOUNT | 21. ACCOUNTING AND APPROPRIATION |
|---|---|---|
| | | |

| 22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: ☐ 10 U.S.C. 2304(c)( ) ☐ 41 U.S.C. 253(c)( ) | 23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) | ITEM |
|---|---|---|
| | | |

| 24. ADMINISTERED BY (If other than Item 7) | CODE | 25. PAYMENT WILL BE MADE BY | CODE |
|---|---|---|---|
| | | | |

| 26. NAME OF CONTRACTING OFFICER (Type or print)<br>TEL: EMAIL: | 27. UNITED STATES OF AMERICA<br>(Signature of Contracting Officer) | 28. AWARD DATE |
|---|---|---|
| | | |

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Section B - Supplies or Services and Prices

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---|---|---|---|---|---|
| 0001 | | 1 | Lump Sum | | |

**LMDA COMMITTEE CHAIRPERSON SERVICES**
FIRM-FIXED-PRICE (FFP)

The Technical Committee Chairperson will be responsible for executing the duties delineated in the Scope of Work, contained in Section C of this Document.

**Proposed Pricing shall be presented in a format encompassing the following cost elements:**

- Direct Labor Costs
- Overhead on Direct Labor (may be listed separately or included in direct labor costs)
- Other Direct Costs (Travel, Per Diem, etc.)
- Other Expenses (Materials and/or Supplies, Postage, etc.)
- Indirect Costs
- Profit
- Subcontractor Costs

PURCHASE REQUEST NUMBER: W81G6671733540

NET AMT

# *SCOPE OF WORK*
# TECHNICAL COMMITTEE CHAIRPERSON
# SIXTH TECHNICAL COMMITTEE REVIEW OF

# DIVERSION FLOW MEASUREMENTS
# AND
# ACCOUNTING PROCEDURES

1. Background: Lake Michigan Diversion

The diversion of water from the Lake Michigan watershed (see figure on next page) is of a major importance to the Great Lake states and to the Canadian province of Ontario. The states and province that border the lakes have concerns with both diversions during periods of low lake levels as well as the long-term impacts of diversion. To insure that the concerns of these interested parties are considered the Chicago District has been given the responsibility for the accounting of flow that is diverted from the Lake Michigan watershed.

Water has been diverted from Lake Michigan at Chicago into the Mississippi River Basin since the completion of the Illinois and Michigan Canal in 1848. At that time, diversion averaged about 500 cubic feet per second (cfs). The canal provided a connecting watercourse between the Great Lakes and the Mississippi River system.

With the development of the Chicago metropolitan area, drainage and drainage improvements led to severe sanitation problems in the mid to late 1800's. The newly constructed sewers moved water and wastes into the Chicago River, which until 1900 principally drained to Lake Michigan. The water quality of Lake Michigan deteriorated and as such contaminated the city's primary water supply.

A second problem that occurred during this time period was an increase in the overbank flooding within the city. As more roads were built and buildings constructed the sewer system was correspondingly expanded. This increased the rate and volume of runoff and resulted in increased flooding.

As a solution to the sanitation and flooding problems construction of the Chicago Sanitary and Ship Canal and the Chicago River Controlling Works (CRCW) was undertaken. This construction allowed the flow direction of the Chicago River to be reversed. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) completed construction of the Chicago Sanitary and Ship Canal in 1900. The CRCW was constructed at the mouth of the Chicago River. The CRCW is composed of a lock and dam with sluice gates that regulates the amount of Lake Michigan water allowed to pass into the river and restricts river flooding from entering Lake Michigan.

Between 1907 and 1910 the MWRDGC constructed a second sanitary canal called the North Shore Channel. It extended from Lake Michigan at Wilmette in a southerly direction 6.14 miles to the North Branch of the Chicago River. The Wilmette Controlling Works regulate the amount of Lake Michigan flow allowed down the channel. There is no lock at the Wilmette Controlling Works.

Construction of a third canal, the Calumet Sag Channel, was completed in 1922. The canal connects Lake Michigan through the Calumet River and Grand Calumet River, to the Sanitary and Ship Canal. This canal was constructed to carry sewage from South Chicago, Illinois and East Chicago, Indiana. The O'Brien Lock and Dam located on the Calumet River regulates the flow of Lake Michigan waters down the canal.

In 1908 and again in 1913, the United States brought actions to enjoin MWRDGC from diverting more than the 4,167 cfs previously authorized in 1901. The two actions were consolidated and the Supreme Court entered a decree on 5 January 1925 allowing the Secretary of War to issue diversion permits. In March 1925, a permit was issued to divert 8,500 cfs, which was about the average then being used.

In 1922, 1925, and 1926, several Great Lakes States filed similar original actions in the U.S. Supreme Court seeking to restrict diversion at Chicago. A Special Master, appointed by the Court to hear the combined three suits, found the 1925 permit to be valid and recommended dismissal of the action. The Supreme Court, however, reversed his finding. Subsequently, the Court instructed the Special Master to determine the steps necessary for Illinois and MWRDGC to reduce diversion. Consequently a 1930 decree reduced the allowable diversion (in addition to domestic pumpage) in three steps: 6,500 cfs after 1 July 1930; 5,000 cfs after 30 December 1935; and 1,500 cfs after 31 December 1938.

In 1967, the Supreme Court issued another decree limiting the diversion, including domestic pumpage, of Lake Michigan water into the Illinois Waterway by the State of Illinois and its municipalities, to an average of 3,200 cfs over a five-year period effective 1 March 1970.

The 1967 Supreme Court decree gave full responsibility to the State of Illinois for diversion measurements and computations. The role of the Corps of Engineers, as specified in the decree, was to be one of "general supervision and direction."

In 1980, the 1967 decree was modified when the Court increased the period for determining compliance with the 3,200 cfs limit from a five-year running average to a forty-year running average. Additionally, the beginning of the diversion accounting year was changed from 1 March to 1 October. A limit was placed on the average diversion in any accounting year (3,680 cfs) except for an average diversion of 3,840 cfs to be allowed in any two accounting years within a forty-year period. A limit was placed on the cumulative algebraic sum of the average annual diversion credits and deficits (amount above or below 3200 cfs for a given year) during the first 39 years. This limit is 2,000 cfs-years. These changes reduce the State of Illinois' dependency on the vagaries of nature when establishing domestic pumpage rates.

The 1 December 1980 modification also directed the Chief of Engineers to appoint a three-member committee to evaluate the method used for measuring and computing the amount of diverted flow. In accordance with the decree all measurements and computations used in determining the diversion shall be made using the best current engineering practice and scientific knowledge. The Corps was directed to reconvene such a committee at least once every five years to report on the method of accounting and operation of the accounting procedures. The modified decree stated that: "The members shall be selected on the basis of recognized experience and technical expertise in flow measurements or hydrology. None of the committee members shall be employees of the Corps of Engineers or employees or paid consultants of any of the parties to these proceedings other than the United States." The first,

second, third and fourth technical committees were convened in June 1981, July 1986, December 1992, and September 1998, respectively. Although not explicitly stated in the decree, it is the intent of the parties that the Corps bears all costs associated with this three-member committee.

Finally, the modified decree directed the Corps to prepare an annual report summarizing activities relating to the diversion program and certifying diversion flows.

The Water Resources Development Act of 1986 gave the Corps of Engineers the responsibility for performing diversion accounting. The Chicago District new mission became effective on 1 October 1987. During its execution of the mission the District has completed a number of significant actions, including:

a. Adopting a computerized diversion accounting model used by the State of Illinois. The District updated the model to both more fully work in a PC environment, and also to correct errors (noted by the second technical committee) in the input parameters.

b. The District also had a new Acoustic Velocity Meter (AVM) installed at Romeoville, upstream of Lockport, Illinois (the measurement point for diversion accounting). The District has also provided for additional back-up measures for this instrument.

c. The District had the State of Illinois Water Survey (ISWS) install a new network of rain gages for the watersheds involved in the accounting of the Lake Michigan diversion. The District had the ISWS install digital data loggers at the rain gage sites.

d. The District revised and completed the 1984 and 1985 diversion reports initially prepared by the State of Illinois. The District has also completed the 1986 through 2003 diversion reports, and the 2004 and 2005 reports are in preparation.

e. The District had the USGS install new AVMs at locations near the lakefront controlling works, including CRCW, O'Brien Lock and Dam and Wilmette Controlling Works. Operations of the AVM's at O'Brien Lock and Dam and Wilmette Controlling Works, however, were discontinued seven years after their inception due to lack of funding.

f. The District performed and coordinated detailed technical reviews for flow measurements at a number of large and small water supply pumping stations and water treatment plants.

g. In January 2003, the Corps of Engineers held a meeting at the Lockport Lock and Dam to discuss the site selection of a second Invasive Species Barrier. At this time, the USGS was notified that the only suitable site for the second barrier was at the location of the USGS gaging station on the Chicago Sanitary and Ship Canal at Romeoville, Illinois. A series of tests were made by the USGS to evaluate the effects of the electrical field of the barrier on the instrumentation in the gaging station. The tests results indicated adverse impacts of the barrier electric field on the acoustic Doppler current profiler compass. Discussions between the Corps of Engineers-Chicago District and the USGS in June 2003 led to the decision to relocate the Romeoville gaging station to a site in Lemont which is approximately 5.9 miles upstream. The site for the new gaging station was reviewed by USGS and members of the Fifth Technical Committee on Lake Michigan Diversion Accounting. A bathymetric survey was made at the new site on Oct. 29, 2003. A prefabricated gage house was delivered to the site and installed on a concrete foundation on March 3, 2004. On May 21, 2004, commercial divers installed the cross-channel cables for the AVM. On July 1-2, 2004 AVM transducers were installed on aluminum pipes on both sides of the channel. On July 8, 2004, a differential GPS was used to establish the elevation of the gaging station. The gage is consisted of a three-path Accusonic O.R.E. 7510 GS Acoustic velocity meter, an RD Instruments ChannelMaster horizontal velocity meter, a Campbell Scientific CR-10 datalogger with a temperature thermocouple, a

ParaScientific PS-2 stage sensor, and a DCP radio. AC power is available to run the equipment and heater.

h. The District coordinated with the MWRDGC and had the MWRDGC agree to install flow measurement meters at the Upper Des Plaines Pumping Station that collects data useful to validate simulated runoff of the Upper Des Plaines River watershed.

2. Measurement Points and Components

The measurement points and diversion components for the Lockport (aka, Romeoville or Lemont) diversion accounting and lakefront accounting systems are discussed in the following:

2.1. Lockport Diversion Accounting

The measurement location, as specified in the Supreme Court decree of 1967 as modified in 1980, is at Lockport, Illinois. Flow at this point contains both diversion and non-diversion flows. The District's primary goal is to determine the various components of this flow in order to obtain the total diversion flow. An acoustic velocity meter (AVM) has been installed at Lemont for direct measurement of Lockport flows. The area of the Lake Michigan diverted watershed is 673 square miles.

The primary components of the Lake Michigan diversion are as follows:

a. Water supply pumped directly from Lake Michigan and discharged into the river and canal system in the greater Chicago area as treated sewage.

b. Storm runoff discharged from the diverted watershed area of Lake Michigan, draining to the river and canal system in the greater Chicago area.

c. Water entering directly from Lake Michigan into the river and canal system in the Greater Chicago area.

Water supply that is pumped from the lake enters intake cribs off the Chicago Shoreline. Water from these cribs is pumped through tunnels to provide water to Chicago and many suburbs. Most of this water enters sewer systems and eventually travels to one of three wastewater treatment plants in the Chicagoland area. These are the Northside Water Reclamation Plant, the Calumet Water Reclamation Plant, and the Stickney Water Reclamation Plant. A small portion of the water supply effluent discharges to various water reclamation plants in the Chicago area.

The runoff from the original Lake Michigan basin enters the combined sewer systems and watercourses. The combined sewers mix sanitary flows with runoff. This water normally goes to the treatment plants or, during major flood events, is overflowed into the watercourses. In some areas runoff is discharged directly to the watercourses via overland flow or storm sewers.

Direct diversion locations are at the Chicago River Controlling Works (CRCW), O'Brien Lock and Dam, and Wilmette Controlling Works. The flows at CRCW and O'Brien are segregated into the following categories: (a) lockages, (b) leakages, (c) discretionary flows, and (d) navigation makeup. The breakdown is the same at Wilmette, with the exception that there are no lockages and navigation maekup.

The non-diversion flows that discharge past Lockport are termed deductibles and are subtracted from the total Lockport flows to obtain diversion flows. Deductible flows consist of the following categories:

a. Groundwater pumpage from the Lake Michigan Watershed. The magnitude of this deduction is obtained directly from pumping records.

b. Groundwater pumpage from the Des Plaines Watershed. The magnitude of this deduction is also obtained directly from pumping records.

c. Water supply pumpage from Indiana that enters the canal system. The magnitude of this deduction is computed from pumping records and a calculation that determines the portion of the water supply draining west to the Calumet Sag Channel.

d. Runoff from the Des Plaines Watershed (Upper Des Plaines area, Summit Conduit drainage area and Lower Des Plaines area) that is discharged to the canal system either directly or via combined and sanitary sewers.

Stormwater runoff and infiltration from an area of 217 square miles of the original Des Plaines River Watershed is discharged into the Sanitary and Ship Canal. Because these flows are either not gaged or not gaged effectively they are computed through a simulation model (see below). The runoff and infiltration components are as follows:

a. Infiltration - flow from a 140 square mile area of the Upper Des Plaines Watershed north of the canal that reaches the canal system by infiltration and inflow to the sewer system.

b. Summit Conduit - surface runoff from a 5.4 square mile area in the Des Plaines River Watershed that passes through the Summit Conduit beneath the Des Plaines River directly into the Sanitary and Ship Canal.

c. Des Plaines River Watershed south of the Main Channel - runoff from a 67.0 square mile area of the Des Plaines River Watershed that is south of the Sanitary and Ship Canal and is cutoff from the Des Plaines River by the canal.

d. Sewer System 13A - intercepts and provides storage for a 4 square mile area of the Des Plaines watershed north of the canal.

The State of Illinois developed a computerized diversion accounting system. The system has been used for the 1983, 1984 and 1985 diversion accounting year analyses. The new accounting system uses state-of-the-art technology along with computerized hydrologic simulation techniques for those components of diversion that cannot be directly measured. The modeling techniques and parameters used are continually updated and revised to reflect any modifications in the diversion accounting system. The State's agent in the development of the system was the Northeastern Illinois Planning Commission (NIPC). The system accounts for diversion flows by utilizing a series of water budgets to account for the different categories of flow. The actual accounting process is done on an annual basis as opposed to a monthly one.

Additional flow that is added back into the total diverted amount consist of the pumpages, sewer overflows and flows to federal facilities. These flows are measured, with the exception of the overflows that are simulated using the NIPC model. Specifically these flows entail:

a. Lake Michigan domestic pumpage that enters the Des Plaines River (sewage effluent by-passing Lockport). These diversions are by North Shore Sanitary Districts which discharge to the Des Plaines River (e.g. Waukegan and Lake County), and combined sewer overflows in the areas serviced by the plants that discharge to the canal.

b. Flows to federal facilities (e.g. Fort Sheridan) are subtracted from the addition before it is incorporated into the accounting for the total diverted flow.

Diversion flow comprises the major portion of the flow at Lockport. Normally, diversion flow makes up 88-92% of the flow at Lockport, with the percentage slightly higher during the summer months (greater

seasonal demand). It is also estimated that 10% of water supply is lost to consumptive use (not returned to canal as sewage effluent).

The measuring point at Lockport has long been of concern in the computation of Lake Michigan Diversion. Originally, flow at Lockport was determined from rating curves for various components of the Lockport Powerhouse and Controlling Works. However, because of errors in the rating curves an Acoustical Velocity Meter (AVM) is used to replace the Lockport rating curves as a primary means of measuring flow in the Sanitary and Ship Canal. The installation of the first AVM was completed in March 1984. The meter was located on the Sanitary and Ship Canal upstream from Lockport at the Romeoville Bridge. Due to problems in the operation and maintenance of the first AVM, the Chicago District, in cooperation with the United States Geological Survey (USGS), contracted with Accusonic Division, Ferranti O.R.E., Inc. for installation of a new AVM for measurement of flow at Lockport. The new AVM system was installed in November/December 1989, at the site of the original AVM. The new gage is functioning as anticipated.

Finally, as recommended by the second and third technical committees, an annual review of the AVM flow records by all participating agencies is an on-going activity established and conducted by the Corps. Additionally, the District has prepared a comprehensive manual on the procedures for performing diversion accounting.

2.2. Lakefront Accounting

As part of the Great Lakes Mediation process, modifications in the methodology for computing the diversion were considered. The primary change proposed as part of the mediation was to move the Diversion Accounting measurement point from Lockport or Romeoville to the lakefront. Measurement points at the lakefront include acoustic velocity meters (AVMs) at the Chicago River Controlling Works (CRCW), O'Brien Lock and Dam and at Wilmette Controlling Works. These three AVMs provide a direct measurement of the direct diversion flows: lockage, leakage, discretionary flow and navigation makeup.

The proposed Lakefront Accounting procedure for computing the diversion consists of totaling the measured direct diversions at the three lakefront AVMs, adding the measured domestic pumpage from Lake Michigan for water supply, adding a fixed 800 cfs value for runoff and subtracting a fixed 168 cfs for consumptive use. Additional details of the proposed Lakefront Accounting are provided in the July 1996 MOU, details on the individual components of Lakefront Accounting are discussed below.

The USGS measures the *direct diversions* from Lake Michigan at three lakefront gauging stations: Chicago River at Columbus Drive at Chicago, Calumet River at O'Brien Lock and Dam, and the North Shore Channel at Wilmette Controlling Works. The three lakefront gauging stations utilize acoustic velocity meters to measure flows due to the complex hydraulic settings, unsteady flow conditions and low-velocities.

The *domestic pumpage* from Lake Michigan includes that water used by the State of Illinois, its municipalities, political subdivisions, agencies and instrumentalities. The quantification of the domestic pumpage component of Lakefront Accounting is based on the LMO-3 reports that the State of Illinois collects from the individual diverters. These LMO-3 reports are provided to the Corps of Engineers under both accounting systems and constitute the measurement of domestic pumpage.

Stormwater *runoff* that previously drained to Lake Michigan through the Chicago River and the Calumet River now drains to the Chicago Sanitary and Ship Canal (CSSC) and the Calumet Sag Channel, respectively. The Calumet Sag Channel drains to the CSSC, and the CSSC ultimately drains into the Illinois River and the Mississippi River. The drainage area of the diverted Lake Michigan watershed is approximately 673 square miles. The runoff from the diverted Lake Michigan watershed is made up of several components including; gaged runoff, ungaged runoff, inflow and infiltration captured at the treatment plants, inflow and infiltration captured by TARP and inflow and infiltration contained in combined sewer overflows. The terms of the MOU fixed the value of the runoff component of Lakefront

Accounting at 800 cfs through the year 2020, at which time the value can be modified. A 1996 study by the Corps of Engineers summarized the results of a 44-year period of record runoff analysis. This study formed the basis for the 800 cfs runoff value, although the final number was a result of the mediation discussions.

*Consumptive use* represents the total loss between the point of domestic pumpage and the resulting effluent from the treatment plants. Losses that occur between these two points include losses in the water treatment plant, the water distribution system, consumer facilities, and wastewater collection and treatment facilities. The terms of the MOU fixed the value of the consumptive use component of Lakefront Accounting at 168 cfs through the year 2010, at which time the value can be modified.

The analyses of the flow data collected from WY 1997 through WY 2003 concluded that the technical accuracy of the Lockport versus Lakefront accounting system is equivalent. Since the language in the proposed changes to the lakefront accounting system requires that the fixed numbers of runoff and consumptive use be re-verified periodically, no savings of data collection and analysis efforts will be realized. Besides, the Corps will provide a diversion estimate at the end of each water year that meets the Lake Michigan water resource planning needs by the State of Illinois. Based on various considerations, the State of Illinois decided that the Lockport accounting as mandated in the existing U. S. Supreme Court decree would continue to be used. Therefore, the materials pertaining to lakefront accounting is for information; and they will not be a major subject of the sixth Technical Committee review.

3. General Services

The services to be rendered by the committee members under this contract shall include reviews of the previous committee's reports and a comprehensive review of the current diversion accounting procedures. More specifically, the work shall include, but not be limited to, the review of the automated accounting system as well as the review of current diversion related measurement techniques at the AVM site, the Lockport control structures, the precipitation gages and other pertinent locations. The determinations of the adequacy of the existing accounting procedures should be made in accordance with the stipulations of the 1967 Supreme Court decree with the 1980 modifications. The work will include: (1) analysis of current diversion-related measurement techniques and accounting procedures, (2) evaluation of these techniques and procedures as to whether they are using the best current engineering practice and scientific knowledge, (3) recommendation of appropriate revisions within the legal constraints of the decree, and (4) preparation of draft and final reports. The Government will schedule and monitor appropriate activities to provide the committee members with available information.

4. Committee Structures

The committee consists of three members. All committee members will be responsible for analyzing and evaluating the pertinent information. One member shall be designated as the chair and will have responsibility to provide administrative leadership and coordination regarding the activities of all three members. A second member will have the technical responsibility for overviewing the review of the hydrologic, hydraulic and computer modeling of the diverted watershed. And the third member will have the technical responsibility for overviewing the review of the flow measurements, including the statistical analyses. Each member will exercise independent judgment and any differences in opinion between the members of the committee shall be documented in the final report.

a. The duties of the technical committee chairperson include:

(1) Collect findings for consolidation into a draft report.

(2) Responding to the District's comments associated with the draft report in preparing the final report.

(3) Presenting the committee's Final Report.

(4) Responding to the comments on the report obtained from all parties of the litigation as well as from the Corps of Engineers, the United States Geological Survey and the Metropolitan Water Reclamation District of Greater Chicago.

(5) Presenting the committee's response to the comments.

(6) Act as administrative liaison between the committee members.

(7) Coordinate the activities associated with the preparation of each draft report and the final report of the committee members.

(8) Consolidate the draft reports of the committee members into the committee draft report.

(9) Incorporate the appropriate District comments on the Draft Report in preparing the committee final report.

5. Information and Services to be Furnished by the Government

The Contracting Officer or his/her representative will be responsible for providing available information and material to the committee members. The Government will furnish the members with a briefing packet. The briefing packet will include pertinent materials relating to work responsibilities of the committee. It will contain a summary of information relating to the computation of Lake Michigan Diversion at Chicago in addition to relevant drawings and reports. Attachment 1 shows the list of the proposed materials available for review. The Government, in addition, will arrange several workshops to provide the opportunity for an exchange of information between the committee members and the Government. Additionally, the workshops will insure that progress on the scheduled activities is being maintained.

The Government will conduct all field trip arrangements and provide for local transportation needs. The Government will provide technical assistance to the committee. Technical assistance shall include assistance in locating available reports, publications and photographs relating to Lake Michigan Diversion at Chicago. In addition, the Contracting Officer or his/her representative will assist by providing appropriate explanations on various topics pertaining to Lake Michigan Diversion. These explanations will insure that the committee members have an accurate perspective for their analysis of diversion components. All possible avenues of communication will be made available to the committee members for the procurement of information related to their study. The Corps of Engineers will fully support the committee members by both answering questions and by providing any additional materials the committee may require.

6. Specific Duties of the Committee

The following is a general description of the activities to be participated in and the duties to be performed by the technical committee members:

a. Data Review:

Prior to the field inspections, the committee members shall, with Government personnel, review available engineering data relating to the computation of Lake Michigan Diversion at Chicago. This review will include perusal of pertinent reports, drawings and specifications which are involved in the regulation and accounting of the diversion.

b. Field Inspections:

The committee members shall perform field inspections for information purposes. Government personnel may accompany them to provide direction and guidance. The field inspections shall include the AVM site, Lockport Powerhouse, and Lockport Controlling Works. Visits may also be made to MWRDGC works (water reclamation plants, pump stations, and deep tunnel facilities), ISWS precipitation gage sites and other pertinent surface and groundwater flow source sites.

c. Technical Workshop:

The committee members shall attend the workshops planned during the time that the committee is convened. These workshops will provide opportunities for the exchange of information between the committee and the Government. Portions of each workshop will be open to the parties to the Supreme Court decree. Workshop I will be held during the first week of committee work. The agenda for the workshop will be determined by the Government and will be on a relatively fixed schedule. The purpose of this initial workshop will be to acquaint the committee members with the area in which they will be working. This will be accomplished through field trips to areas and entities associated with the measuring of diversion. The Government will take full responsibility for coordination of these trips. Workshops II and III will each be of a four-day duration. The agendas for these workshops will be fixed and determined by mutual agreement of the committee with approval from the Government. Workshops IV and V will be of a two-day duration. The main purpose of the final session will be to discuss comments concerning the draft report. In addition, the committee members will be required to attend both a one-day meeting to present the final report, as well as a one-day meeting to present their response to comments on the final report.

d. Analysis:

The committee members shall review information provided by the Government and obtained through other sources. The current method of computing diversion will be examined. The evaluation of the existing procedure may include the loading and running of the models and associated programs (all models and data will be provided by the Government in micro-computer format). Pertinent factors that have an effect on diversion computations shall be evaluated. Alternative methods of computing diversion using state-of-the-art hydrologic and hydraulic methods will be considered as well as improvements to the existing procedures. Evaluations will also be made of the measurement techniques used in obtaining all pertinent diversion accounting data. Based on this information, the committee will include in the final report a summary of the existing and proposed accounting procedures for Lake Michigan Diversion at Chicago. The committee shall estimate to what degree the accuracy of the diversion computation will be improved under the recommended method and the approximate costs of implementing the recommended plan. Under the decree, the Government shall then determine the best current engineering practice and scientific knowledge for computing diversion, based upon the recommendation of the committee members.

e. Preparation of Report:

The committee's draft and final reports will be submitted to the District on 8 1/2" x 11" paper. The committee should submit five copies of the draft report and one hundred copies of the final report. The committee shall be responsible for furnishing a complete report. The Government will provide pertinent photographs and the correct format for plates and covers. All Government furnished materials and originals shall be returned.

7. Period of Service

The length of the contract is expected to be 38 weeks that will be broken into two periods: 1) base period, and 2) option year 1 period. The base period ends after Workshop No. 3 within 18 weeks. The base period is expected to include approximately 40% of the work. The option year 1 period begins with the draft report and ends at the publication of the final report. The option year 1 period is expected to include approximately 60% of the work. The tasks associated with this Scope of Work and corresponding schedules are listed in Attachment 2.

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 1**
**General Background Information**

| Section Number | Title |
|---|---|
| A | Water Resources Development Act of 1986 |
| B | General Information on Lake Michigan Diversion dated 1 March 1981 |
| C | Report of Albert B. Maris, Special Master dated 11 August 1980 |
| D | "SUPREME COURT OF THE UNITED STATES, OCTOBER Term, 1966. WISCONSIN ET AL. v. ILLINOIS ET AL.; MICHIGAN v. ILLINOIS ET AL.; AND ILLINOIS v. MICHIGAN ET AL. ON JOINT MOTION FOR ENTRY OF DECREE. Nos. 1, 2, 3, and 11 Originals. JUNE 13 1967" |

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 2**
**Reports of Previous Technical Committees**

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 3**
**State of Illinois Water Allocation Program**

| Section Number | Title |
|---|---|
| A | Revised Water Allocation Announcement (dated June 23, 1998) |
| B | Illinois Compliance Plan |

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 4**
**Measurement Locations for Diversion Accounting**

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 5**
**Acoustic Velocity Flowmeter (AVM)**

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**VOLUME 6**
**Accounting Procedure Manuals**

| Section Number | Title |
|---|---|
| A | Lake Michigan Diversion Accounting Users Manual of Procedures (Draft, 1998) |

**SIXTH TECHNICAL COMMITTEE FOR REVIEW OF DIVERSION FLOW MEASUREMENTS AND ACCOUNTING PROCEDURES**

**SCHEDULE OF ACTIVITIES**

**Base Period**

| Task No. | | Completion Time After Contract Award in Weeks |
|---|---|---|
| 1. | **Workshop No. 1** (5 days) | 1 |
| 2. | **Workshop No. 2** (4 days) | 7 |
| 3. | **Workshop No. 3** (4 days) | 18 |

**Option Year 1**

| Task No. | | Completion Time After Contract Award in Weeks |
|---|---|---|
| 4. | Committee members submit their findings to chairperson for consolidation into Draft Report. | 3 |
| 5. | **Workshop No. 4** (closed) Committee members review Draft Report (2 days) | 4 |
| 6. | Chairperson submits Draft Report to Corps of Engineers and committee members for review. | 5 |
| 7. | **Workshop No. 5** (closed) for District and committee to review District comments on Draft Report (1 day) | 8 |
| 8. | **Meeting No. 1**. Committee presents Final Report to District and other parties with appropriate presentation by committee members. | 11 |
| 9. | District provides Final Report to all parties for review and comments. | 12 |
| 10. | All parties provide comments to District. | 15 |
| 11. | District provides comments to committee members for review. Copies of all comments will be distributed to all parties. | 17 |
| 12. | **Meeting No. 2**. Presentation of committee responses to comments from all parties. (1 day) | 20 |



END OF SCOPE OF WORK

# WAGE RATES

WD 05-2167 (Rev.-2) was first posted on www.wdol.gov on 06/05/2007
**********
**********

REGISTER OF WAGE DETERMINATIONS UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON D.C. 20210

William W.Gross
Director

Division of
Wage Determinations

Wage Determination No.: 2005-2167
Revision No.: 2
Date Of Revision: 05/29/2007

State: Illinois

Area: Illinois Counties of Cook, De Kalb, Du Page, Kane, Lake, Lee, McHenry

**Fringe Benefits Required Follow the Occupational Listing**

| OCCUPATION CODE - TITLE | MINIMUM WAGE RATE |
|---|---|
| 01000 - Administrative Support And Clerical Occupations | |
| 01011 - Accounting Clerk I | 14.81 |
| 01012 - Accounting Clerk II | 16.27 |
| 01013 - Accounting Clerk III | 17.96 |
| 01020 - Administrative Assistant | 24.63 |
| 01040 - Court Reporter | 17.52 |
| 01051 - Data Entry Operator I | 12.65 |
| 01052 - Data Entry Operator II | 14.91 |
| 01060 - Dispatcher, Motor Vehicle | 17.21 |
| 01070 - Document Preparation Clerk | 13.05 |
| 01090 - Duplicating Machine Operator | 13.05 |
| 01111 - General Clerk I | 12.53 |
| 01112 - General Clerk II | 13.60 |
| 01113 - General Clerk III | 15.55 |
| 01120 - Housing Referral Assistant | 18.49 |
| 01141 - Messenger Courier | 10.45 |
| 01191 - Order Clerk I | 13.23 |
| 01192 - Order Clerk II | 14.53 |
| 01261 - Personnel Assistant (Employment) I | 16.10 |
| 01262 - Personnel Assistant (Employment) II | 17.84 |
| 01263 - Personnel Assistant (Employment) III | 19.62 |
| 01270 - Production Control Clerk | 18.49 |
| 01280 - Receptionist | 13.05 |
| 01290 - Rental Clerk | 16.10 |
| 01300 - Scheduler, Maintenance | 17.11 |
| 01311 - Secretary I | 17.11 |
| 01312 - Secretary II | 18.99 |
| 01313 - Secretary III | 21.38 |
| 01320 - Service Order Dispatcher | 17.21 |
| 01410 - Supply Technician | 24.63 |
| 01420 - Survey Worker | 17.52 |
| 01531 - Travel Clerk I | 11.90 |
| 01532 - Travel Clerk II | 12.86 |
| 01533 - Travel Clerk III | 13.91 |
| 01611 - Word Processor I | 13.05 |
| 01612 - Word Processor II | 16.10 |
| 01613 - Word Processor III | 18.90 |
| 05000 - Automotive Service Occupations | |
| 05005 - Automobile Body Repairer, Fiberglass | 21.53 |
| 05010 - Automotive Electrician | 21.96 |
| 05040 - Automotive Glass Installer | 20.95 |
| 05070 - Automotive Worker | 20.95 |
| 05110 - Mobile Equipment Servicer | 18.95 |
| 05130 - Motor Equipment Metal Mechanic | 22.96 |
| 05160 - Motor Equipment Metal Worker | 20.95 |
| 05190 - Motor Vehicle Mechanic | 22.96 |
| 05220 - Motor Vehicle Mechanic Helper | 17.93 |

| | |
|---|---|
| 05250 - Motor Vehicle Upholstery Worker | 19.96 |
| 05280 - Motor Vehicle Wrecker | 20.95 |
| 05310 - Painter, Automotive | 21.96 |
| 05340 - Radiator Repair Specialist | 20.95 |
| 05370 - Tire Repairer | 15.92 |
| 05400 - Transmission Repair Specialist | 22.96 |
| 07000 - Food Preparation And Service Occupations | |
| 07010 - Baker | 13.06 |
| 07041 - Cook I | 11.95 |
| 07042 - Cook II | 13.06 |
| 07070 - Dishwasher | 9.25 |
| 07130 - Food Service Worker | 9.25 |
| 07210 - Meat Cutter | 13.06 |
| 07260 - Waiter/Waitress | 9.96 |
| 09000 - Furniture Maintenance And Repair Occupations | |
| 09010 - Electrostatic Spray Painter | 19.10 |
| 09040 - Furniture Handler | 13.83 |
| 09080 - Furniture Refinisher | 19.10 |
| 09090 - Furniture Refinisher Helper | 15.59 |
| 09110 - Furniture Repairer, Minor | 17.36 |
| 09130 - Upholsterer | 19.10 |
| 11000 - General Services And Support Occupations | |
| 11030 - Cleaner, Vehicles | 11.20 |
| 11060 - Elevator Operator | 10.96 |
| 11090 - Gardener | 15.05 |
| 11122 - Housekeeping Aide | 10.96 |
| 11150 - Janitor | 11.65 |
| 11210 - Laborer, Grounds Maintenance | 12.05 |
| 11240 - Maid or Houseman | 9.93 |
| 11260 - Pruner | 10.38 |
| 11270 - Tractor Operator | 14.12 |
| 11330 - Trail Maintenance Worker | 12.05 |
| 11360 - Window Cleaner | 12.74 |
| 12000 - Health Occupations | |
| 12010 - Ambulance Driver | 16.22 |
| 12011 - Breath Alcohol Technician | 15.21 |
| 12012 - Certified Occupational Therapist Assistant | 17.30 |
| 12015 - Certified Physical Therapist Assistant | 19.69 |
| 12020 - Dental Assistant | 13.81 |
| 12025 - Dental Hygienist | 29.95 |
| 12030 - EKG Technician | 24.49 |
| 12035 - Electroneurodiagnostic Technologist | 24.49 |
| 12040 - Emergency Medical Technician | 16.22 |
| 12071 - Licensed Practical Nurse I | 13.55 |
| 12072 - Licensed Practical Nurse II | 15.21 |
| 12073 - Licensed Practical Nurse III | 17.02 |
| 12100 - Medical Assistant | 13.78 |
| 12130 - Medical Laboratory Technician | 18.10 |
| 12160 - Medical Record Clerk | 16.66 |
| 12190 - Medical Record Technician | 15.80 |
| 12195 - Medical Transcriptionist | 15.72 |
| 12210 - Nuclear Medicine Technologist | 31.86 |
| 12221 - Nursing Assistant I | 9.59 |
| 12222 - Nursing Assistant II | 10.77 |
| 12223 - Nursing Assistant III | 11.61 |
| 12224 - Nursing Assistant IV | 12.94 |
| 12235 - Optical Dispenser | 14.63 |
| 12236 - Optical Technician | 13.07 |
| 12250 - Pharmacy Technician | 13.99 |
| 12280 - Phlebotomist | 12.34 |
| 12305 - Radiologic Technologist | 27.61 |
| 12311 - Registered Nurse I | 24.56 |
| 12312 - Registered Nurse II | 29.43 |
| 12313 - Registered Nurse II, Specialist | 29.43 |
| 12314 - Registered Nurse III | 35.60 |
| 12315 - Registered Nurse III, Anesthetist | 35.60 |
| 12316 - Registered Nurse IV | 40.73 |
| 12317 - Scheduler (Drug and Alcohol Testing) | 18.89 |
| 13000 - Information And Arts Occupations | |
| 13011 - Exhibits Specialist I | 18.12 |
| 13012 - Exhibits Specialist II | 22.44 |
| 13013 - Exhibits Specialist III | 27.45 |
| 13041 - Illustrator I | 20.32 |
| 13042 - Illustrator II | 26.09 |

| | |
|---|---|
| 13043 - Illustrator III | 30.80 |
| 13047 - Librarian | 28.99 |
| 13050 - Library Aide/Clerk | 13.09 |
| 13054 - Library Information Technology Systems Administrator | 21.75 |
| 13058 - Library Technician | 15.50 |
| 13061 - Media Specialist I | 17.23 |
| 13062 - Media Specialist II | 19.12 |
| 13063 - Media Specialist III | 21.22 |
| 13071 - Photographer I | 17.74 |
| 13072 - Photographer II | 20.05 |
| 13073 - Photographer III | 24.68 |
| 13074 - Photographer IV | 30.20 |
| 13075 - Photographer V | 35.43 |
| 13110 - Video Teleconference Technician | 13.07 |
| 14000 - Information Technology Occupations | |
| 14041 - Computer Operator I | 15.92 |
| 14042 - Computer Operator II | 17.91 |
| 14043 - Computer Operator III | 19.90 |
| 14044 - Computer Operator IV | 22.77 |
| 14045 - Computer Operator V | 25.56 |
| 14071 - Computer Programmer I (1) | 22.15 |
| 14072 - Computer Programmer II (1) | 27.31 |
| 14073 - Computer Programmer III (1) | 27.62 |
| 14074 - Computer Programmer IV (1) | 27.62 |
| 14101 - Computer Systems Analyst I (1) | 27.62 |
| 14102 - Computer Systems Analyst II (1) | 27.62 |
| 14103 - Computer Systems Analyst III (1) | 27.62 |
| 14150 - Peripheral Equipment Operator | 15.92 |
| 14160 - Personal Computer Support Technician | 22.08 |
| 15000 - Instructional Occupations | |
| 15010 - Aircrew Training Devices Instructor (Non-Rated) | 27.62 |
| 15020 - Aircrew Training Devices Instructor (Rated) | 31.42 |
| 15030 - Air Crew Training Devices Instructor (Pilot) | 34.56 |
| 15050 - Computer Based Training Specialist / Instructor | 27.62 |
| 15060 - Educational Technologist | 27.62 |
| 15070 - Flight Instructor (Pilot) | 34.56 |
| 15080 - Graphic Artist | 22.54 |
| 15090 - Technical Instructor | 27.45 |
| 15095 - Technical Instructor/Course Developer | 26.69 |
| 15110 - Test Proctor | 17.84 |
| 15120 - Tutor | 17.62 |
| 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations | |
| 16010 - Assembler | 8.42 |
| 16030 - Counter Attendant | 8.42 |
| 16040 - Dry Cleaner | 10.90 |
| 16070 - Finisher, Flatwork, Machine | 8.42 |
| 16090 - Presser, Hand | 8.42 |
| 16110 - Presser, Machine, Drycleaning | 8.42 |
| 16130 - Presser, Machine, Shirts | 8.42 |
| 16160 - Presser, Machine, Wearing Apparel, Laundry | 8.42 |
| 16190 - Sewing Machine Operator | 11.68 |
| 16220 - Tailor | 12.51 |
| 16250 - Washer, Machine | 9.27 |
| 19000 - Machine Tool Operation And Repair Occupations | |
| 19010 - Machine-Tool Operator (Tool Room) | 21.27 |
| 19040 - Tool And Die Maker | 27.21 |
| 21000 - Materials Handling And Packing Occupations | |
| 21020 - Forklift Operator | 15.74 |
| 21030 - Material Coordinator | 19.74 |
| 21040 - Material Expediter | 19.74 |
| 21050 - Material Handling Laborer | 17.26 |
| 21071 - Order Filler | 11.61 |
| 21080 - Production Line Worker (Food Processing) | 14.31 |
| 21110 - Shipping Packer | 15.87 |
| 21130 - Shipping/Receiving Clerk | 15.87 |
| 21140 - Store Worker I | 12.32 |
| 21150 - Stock Clerk | 16.14 |
| 21210 - Tools And Parts Attendant | 16.25 |
| 21410 - Warehouse Specialist | 16.10 |
| 23000 - Mechanics And Maintenance And Repair Occupations | |
| 23010 - Aerospace Structural Welder | 28.53 |
| 23021 - Aircraft Mechanic I | 27.43 |
| 23022 - Aircraft Mechanic II | 28.53 |
| 23023 - Aircraft Mechanic III | 29.90 |

23040 - Aircraft Mechanic Helper 20.38
23050 - Aircraft, Painter 21.96
23060 - Aircraft Servicer 23.85
23080 - Aircraft Worker 25.02
23110 - Appliance Mechanic 19.10
23120 - Bicycle Repairer 15.92
23125 - Cable Splicer 24.89
23130 - Carpenter, Maintenance 29.24
23140 - Carpet Layer 26.24
23160 - Electrician, Maintenance 26.75
23181 - Electronics Technician Maintenance I 22.93
23182 - Electronics Technician Maintenance II 23.95
23183 - Electronics Technician Maintenance III 25.48
23260 - Fabric Worker 19.10
23290 - Fire Alarm System Mechanic 26.59
23310 - Fire Extinguisher Repairer 18.97
23311 - Fuel Distribution System Mechanic 24.02
23312 - Fuel Distribution System Operator 21.58
23370 - General Maintenance Worker 18.88
23380 - Ground Support Equipment Mechanic 25.87
23381 - Ground Support Equipment Servicer 23.85
23382 - Ground Support Equipment Worker 25.02
23391 - Gunsmith I 18.97
23392 - Gunsmith II 21.37
23393 - Gunsmith III 24.02
23410 - Heating, Ventilation And Air-Conditioning Mechanic 23.82
23411 - Heating, Ventilation And Air Contditioning Mechanic (Research Facility) 24.77
23430 - Heavy Equipment Mechanic 21.63
23440 - Heavy Equipment Operator 32.56
23460 - Instrument Mechanic 23.23
23465 - Laboratory/Shelter Mechanic 22.57
23470 - Laborer 13.12
23510 - Locksmith 19.10
23530 - Machinery Maintenance Mechanic 22.11
23550 - Machinist, Maintenance 26.15
23580 - Maintenance Trades Helper 15.37
23591 - Metrology Technician I 23.23
23592 - Metrology Technician II 24.16
23593 - Metrology Technician III 26.33
23640 - Millwright 25.76
23710 - Office Appliance Repairer 22.07
23760 - Painter, Maintenance 21.96
23790 - Pipefitter, Maintenance 26.19
23810 - Plumber, Maintenance 24.32
23820 - Pneudraulic Systems Mechanic 24.02
23850 - Rigger 24.02
23870 - Scale Mechanic 21.37
23890 - Sheet-Metal Worker, Maintenance 26.41
23910 - Small Engine Mechanic 18.22
23931 - Telecommunications Mechanic I 26.63
23932 - Telecommunications Mechanic II 27.96
23950 - Telephone Lineman 26.63
23960 - Welder, Combination, Maintenance 19.97
23965 - Well Driller 23.49
23970 - Woodcraft Worker 21.97
23980 - Woodworker 16.38

24000 - Personal Needs Occupations

24570 - Child Care Attendant 10.83
24580 - Child Care Center Clerk 14.23
24610 - Chore Aide 8.72
24620 - Family Readiness And Support Services Coordinator 14.63
24630 - Homemaker 15.98

25000 - Plant And System Operations Occupations

25010 - Boiler Tender 27.65
25040 - Sewage Plant Operator 21.01
25070 - Stationary Engineer 27.65
25190 - Ventilation Equipment Tender 20.93
25210 - Water Treatment Plant Operator 21.01

27000 - Protective Service Occupations

27004 - Alarm Monitor 19.38
27007 - Baggage Inspector 10.02
27008 - Corrections Officer 25.19
27010 - Court Security Officer 26.04

27030 - Detection Dog Handler 16.66
27040 - Detention Officer 25.19
27070 - Firefighter 24.19
27101 - Guard I 10.02
27102 - Guard II 16.66
27131 - Police Officer I 27.75
27132 - Police Officer II 30.30
28000 - Recreation Occupations
28041 - Carnival Equipment Operator 12.83
28042 - Carnival Equipment Repairer 13.74
28043 - Carnival Equpment Worker 9.25
28210 - Gate Attendant/Gate Tender 13.07
28310 - Lifeguard 11.64
28350 - Park Attendant (Aide) 14.63
28510 - Recreation Aide/Health Facility Attendant 7.78
28515 - Recreation Specialist 13.13
28630 - Sports Official 11.64
28690 - Swimming Pool Operator 16.55
29000 - Stevedoring/Longshoremen Occupational Services
29010 - Blocker And Bracer 20.92
29020 - Hatch Tender 20.50
29030 - Line Handler 19.25
29041 - Stevedore I 19.46
29042 - Stevedore II 21.40
30000 - Technical Occupations
30010 - Air Traffic Control Specialist, Center (HFO) (2) 34.87
30011 - Air Traffic Control Specialist, Station (HFO) (2) 24.04
30012 - Air Traffic Control Specialist, Terminal (HFO) (2) 26.48
30021 - Archeological Technician I 17.02
30022 - Archeological Technician II 18.18
30023 - Archeological Technician III 23.47
30030 - Cartographic Technician 26.98
30040 - Civil Engineering Technician 23.94
30061 - Drafter/CAD Operator I 15.80
30062 - Drafter/CAD Operator II 18.48
30063 - Drafter/CAD Operator III 20.35
30064 - Drafter/CAD Operator IV 26.33
30081 - Engineering Technician I 14.35
30082 - Engineering Technician II 16.14
30083 - Engineering Technician III 20.53
30084 - Engineering Technician IV 24.96
30085 - Engineering Technician V 32.77
30086 - Engineering Technician VI 41.51
30090 - Environmental Technician 18.32
30210 - Laboratory Technician 19.56
30240 - Mathematical Technician 22.89
30361 - Paralegal/Legal Assistant I 17.78
30362 - Paralegal/Legal Assistant II 22.07
30363 - Paralegal/Legal Assistant III 27.10
30364 - Paralegal/Legal Assistant IV 32.65
30390 - Photo-Optics Technician 23.94
30461 - Technical Writer I 20.11
30462 - Technical Writer II 24.53
30463 - Technical Writer III 29.55
30491 - Unexploded Ordnance (UXO) Technician I 22.16
30492 - Unexploded Ordnance (UXO) Technician II 26.81
30493 - Unexploded Ordnance (UXO) Technician III 32.14
30494 - Unexploded (UXO) Safety Escort 22.16
30495 - Unexploded (UXO) Sweep Personnel 22.16
30620 - Weather Observer, Combined Upper Air Or Surface Programs (3) 18.01
30621 - Weather Observer, Senior (3) 20.00
31000 - Transportation/Mobile Equipment Operation Occupations
31020 - Bus Aide 13.57
31030 - Bus Driver 18.10
31043 - Driver Courier 17.40
31260 - Parking and Lot Attendant 12.59
31290 - Shuttle Bus Driver 20.27
31310 - Taxi Driver 15.18
31361 - Truckdriver, Light 20.27
31362 - Truckdriver, Medium 21.65
31363 - Truckdriver, Heavy 23.04
31364 - Truckdriver, Tractor-Trailer 23.04
99000 - Miscellaneous Occupations
99030 - Cashier 9.94

| | |
|---|---|
| 99050 - Desk Clerk | 11.09 |
| 99095 - Embalmer | 24.65 |
| 99251 - Laboratory Animal Caretaker I | 14.03 |
| 99252 - Laboratory Animal Caretaker II | 15.43 |
| 99310 - Mortician | 29.31 |
| 99410 - Pest Controller | 17.34 |
| 99510 - Photofinishing Worker | 13.51 |
| 99710 - Recycling Laborer | 16.97 |
| 99711 - Recycling Specialist | 19.92 |
| 99730 - Refuse Collector | 15.57 |
| 99810 - Sales Clerk | 11.12 |
| 99820 - School Crossing Guard | 11.79 |
| 99830 - Survey Party Chief | 21.24 |
| 99831 - Surveying Aide | 13.32 |
| 99832 - Surveying Technician | 18.28 |
| 99840 - Vending Machine Attendant | 13.80 |
| 99841 - Vending Machine Repairer | 15.84 |
| 99842 - Vending Machine Repairer Helper | 13.80 |

---

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: $3.16 per hour or $126.40 per week or $547.73 per month

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: HOLIDAYS: A minimum of ten paid holidays per year, New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

1) Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See CFR 4.156)

2) APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3) WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordinance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordance, (or employees possibly adjacent to) explosives and incendiary materials

which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of $3.35 per week (or $.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations", Fifth Edition, April 2006, unless otherwise indicated. Copies of the Directory are available on the Internet. A links to the Directory may be found on the WHD home page at http://www.dol.gov/esa/whd/ or through the Wage Determinations On-Line (WDOL) Web site at http://wdol.gov/.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).

2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

END OF WAGE RATES

Section E - Inspection and Acceptance

CLAUSES INCORPORATED BY REFERENCE

| | | |
|---|---|---|
| 252.246-7000 | Material Inspection And Receiving Report | MAR 2003 |

Section F - Deliveries or Performance

CLAUSES INCORPORATED BY REFERENCE

| | | |
|---|---|---|
| 52.242-15 | Stop-Work Order | AUG 1989 |
| 52.242-17 | Government Delay Of Work | APR 1984 |

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

| | | |
|---|---|---|
| 52.209-6 | Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment | SEP 2006 |
| 52.215-8 | Order of Precedence--Uniform Contract Format | OCT 1997 |
| 52.222-3 | Convict Labor | JUN 2003 |
| 52.222-21 | Prohibition Of Segregated Facilities | FEB 1999 |
| 52.222-26 | Equal Opportunity | MAR 2007 |
| 52.222-35 | Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-36 | Affirmative Action For Workers With Disabilities | JUN 1998 |
| 52.222-37 | Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-41 | Service Contract Act Of 1965, As Amended | JUL 2005 |
| 52.222-50 | Combating Trafficking in Persons | APR 2006 |
| 52.225-13 | Restrictions on Certain Foreign Purchases | FEB 2006 |
| 52.227-1 | Authorization and Consent | JUL 1995 |
| 52.232-1 | Payments | APR 1984 |
| 52.232-8 | Discounts For Prompt Payment | FEB 2002 |
| 52.232-9 | Limitation On Withholding Of Payments | APR 1984 |
| 52.232-11 | Extras | APR 1984 |
| 52.232-17 | Interest | JUN 1996 |
| 52.232-23 Alt I | Assignment of Claims (Jan 1986) - Alternate I | APR 1984 |
| 52.232-25 | Prompt Payment | OCT 2003 |
| 52.232-33 | Payment by Electronic Funds Transfer--Central Contractor Registration | OCT 2003 |
| 52.233-1 | Disputes | JUL 2002 |
| 52.233-3 | Protest After Award | AUG 1996 |
| 52.237-3 | Continuity Of Services | JAN 1991 |
| 52.243-1 Alt I | Changes--Fixed Price (Aug 1987) - Alternate I | APR 1984 |
| 52.244-6 | Subcontracts for Commercial Items | MAR 2007 |
| 52.249-2 | Termination For Convenience Of The Government (Fixed-Price) | MAY 2004 |
| 52.249-8 | Default (Fixed-Price Supply & Service) | APR 1984 |
| 52.253-1 | Computer Generated Forms | JAN 1991 |
| 252.201-7000 | Contracting Officer's Representative | DEC 1991 |
| 252.204-7000 | Disclosure Of Information | DEC 1991 |
| 252.204-7003 | Control Of Government Personnel Work Product | APR 1992 |
| 252.204-7004 Alt A | Central Contractor Registration (52.204-7) Alternate A | NOV 2003 |
| 252.209-7004 | Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country | DEC 2006 |
| 252.225-7012 | Preference For Certain Domestic Commodities | JAN 2007 |
| 252.232-7003 | Electronic Submission of Payment Requests | MAR 2007 |
| 252.232-7010 | Levies on Contract Payments | DEC 2006 |
| 252.243-7001 | Pricing Of Contract Modifications | DEC 1991 |
| 252.244-7000 | Subcontracts for Commercial Items and Commercial Components (DoD Contracts) | JAN 2007 |
| 252.247-7024 | Notification Of Transportation Of Supplies By Sea | MAR 2000 |

CLAUSES INCORPORATED BY FULL TEXT

52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)

United States law will apply to resolve any claim of breach of this contract.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

www.arnet.gov

(End of clause)

252.204-7006 BILLING INSTRUCTIONS (OCT 2005)

When submitting a request for payment, the Contractor shall--

(a) Identify the contract line item(s) on the payment request that reasonably reflect contract work performance; and

(b) Separately identify a payment amount for each contract line item included in the payment request.

(End of clause)

Section K - Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE

| | | |
|---|---|---|
| 52.203-11 | Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions | SEP 2005 |
| 252.209-7001 | Disclosure of Ownership or Control by the Government of a Terrorist Country | OCT 2006 |

CLAUSES INCORPORATED BY FULL TEXT

52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

___ TIN:.----------

___ TIN has been applied for.

___ TIN is not required because:

___ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

___ Offeror is an agency or instrumentality of a foreign government;

___ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

___ Sole proprietorship;

___ Partnership;

___ Corporate entity (not tax-exempt);

___ Corporate entity (tax-exempt);

___ Government entity (Federal, State, or local);

___ Foreign government;

___ International organization per 26 CFR 1.6049-4;

___ Other----------

(f) Common parent.

___ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

___ Name and TIN of common parent:

Name----------

TIN----------

(End of provision)

52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2006)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541690.

(2) The small business size standard is 6.5 Million Dollars.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (b) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(__) Paragraph (c) applies.

(__) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at http://orca.bpn.gov. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

| FAR Clause | Title | Date | Change |
|---|---|---|---|
| | | | |

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004) - ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541690.

(2) The small business size standard is 6.5 Million Dollars.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ( ) is, ( ) is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ( ) is, ( ) is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a service-disabled veteran-owned small business concern.

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It ( ) is, ( ) is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material

change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ( ) is, ( ) is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture:_____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

____ Black American.

____ Hispanic American.

____ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

____ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

____ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

____ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; or

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (JUL 2005)

(a) Definition. HUBZone small business concern, as used in this clause, means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(b) Evaluation preference. (1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except--

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference; and

(ii) Otherwise successful offers from small business concerns.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) A concern that is both a HUBZone small business concern and a small disadvantaged business concern will receive the benefit of both the HUBZone small business price evaluation preference and the small disadvantaged

business price evaluation adjustment (see FAR clause 52.219-23). Each applicable price evaluation preference or adjustment shall be calculated independently against an offeror's base offer.

These individual preference amounts shall be added together to arrive at the total evaluated price for that offer.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

___ Offeror elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction, at least 15 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns; or

(4) Construction by special trade contractors, at least 25 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns.

(e) A HUBZone joint venture agrees that in the performance of the contract, the applicable percentage specified in paragraph (d) of this clause will be performed by the HUBZone small business participant or participants.

(f) A HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business manufacturer concerns. This paragraph does not apply in connection with construction or service contracts.

(End of clause)

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

(a) ( ) It has, ( ) has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) ( ) It has, ( ) has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) [ ] it has developed and has on file, [ ] has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) [ ] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(End of provision)

## 1.0 WHO MAY SUBMIT

Competition for this acquisition is unrestricted to business size. The applicable North American Industry Classification System Code is 541690, with a small business size standard, in dollars, of $6.5 Million. The intent of this Solicitation is to select one contractor to serve as chairperson on a 3-member technical committee to review, evaluate and make recommendations on the procedures used in measuring and accounting for the diversion of water from Lake Michigan at Chicago by the State of Illinois.

Firms formally organized as joint ventures may submit a proposal under this Solicitation. The following individuals are not eligible for selection to the committee: any Corps of Engineers employees or any employees or paid consultants of the parties of the US Supreme Court proceedings other than the consultants of the US.

## 2.0 WHERE TO SUBMIT

Offerors shall submit proposal packages to the Corps of Engineers at the address listed below.

Regina Blair, Contracting Officer
Chicago District, Corps of Engineers
111 North Canal Street
Suite 600
Chicago, IL 60606

## 3.0 SUBMISSION DEADLINE

Proposals shall be received by the Corps of Engineers not later than the time and date specified in Block 9 of Page 1 (SF 33) of this Solicitation.

## 4.0 SUBMISSION FORMAT AND NUMBER OF SUBMITTALS

The offeror shall submit all proposal materials in binders with a table of contents and tabbed Section dividers. Each Section submitted must be parallel with the submission requirements identified below. **The documents required by Section 3 shall be submitted in originals only and shall be placed in a clearly marked envelope.** All information requested for Sections 1 through 3 must be submitted for the proposal to be considered responsive.

| **Submission Format Requirements:** | **Number of Submittals** |
|---|---|
| **Section 1 (EXPERIENCE)** | **Original and 2 copies** |
| **Section 2 (PAST PERFORMANCE)** | **Original and 2 copies** |
| **Section 3 (Signed STANDARD FORM 33; PRICE PROPOSAL; REPRESENTATIONS AND CERTIFICATIONS)** | **--Original Copies Only--** |

## 5.0 GENERAL PROPOSAL INFORMATION

Offerors should limit submissions to the data essential for evaluation so that a minimum of time and funds are spent in preparing the information. However, in order to be effectively and equitably evaluated, offerors must include information that is sufficiently detailed to describe the offeror's qualifications and experience. Requirements stated in this Request for Proposal (RFP) are minimums. Proposals that meet or exceed these requirements are encouraged, although over-elaboration and irrelevancies are strongly cautioned against. The Government will not be liable for any costs incurred by the Offeror submitting an offer in response to this Solicitation.

The criteria specified in this RFP are binding contract criteria and in cases of any conflict, subsequent to award, between RFP criteria and contractor's submittals, the RFP criteria shall govern unless there is a written agreement between the Contracting Officer and the contractor on the waiving of a specific requirement.

Clarification of the Provisions of this Request for Proposal. Any explanation desired by an offeror regarding the meaning or interpretation of the RFP shall be requested in writing to Regina G. Blair, via fax, to: (312) 886-5475.

## 6.0 PROPOSAL REQUIREMENTS

Offerors shall address the evaluation factors contained below. The information provided will be used by the Source Selection Board to evaluate each proposal.

### 6.1 Section 1: EXPERIENCE (TAB 1)

The Offeror must provide documentation to demonstrate individual experience to adequately lead a technical committee and evaluate flow measurement techniques and the diversion accounting procedure.

(TAB 1a) Education and experiences in hydrology, hydraulics and computer modeling: provide academic degree(s) earned and describe general experiences, in terms of the number of years and job capacity, in hydrology, hydraulics and computer modeling. A minimum of twenty years of combined education and experience in hydrology, hydraulics and computer modeling is required.

(TAB 1b) Professional engineer registration: provide the state and status of registration.

(TAB 1c) Experience of chairing hydrologic and hydraulic engineering investigation committee or task force and providing H/H engineering testimony in public meetings: provide the name and

duration of the committee or task force. The individual shall have, at a minimum, chaired one investigation committee or task force.

(TAB 1d) Publication of hydrologic and hydraulic engineering: provide a list of books, technical papers and reports the individual authored or co-authored – indicate the title, publisher and year of publication. A minimum of three publications is required.

(TAB 1e) Experience of precipitation and stream flow measurement: provide a list of projects that the individual worked – specify the individual's role, percentage of time spent, duration of the project and deliverable product. Experience on a minimum of three projects is required.

(TAB 1f) Experience of statistical analyses for hydrologic and hydraulic applications: provide a list of projects that the individual performed – specify the individual's role, percentage of time spent, duration of the project and deliverable product. Experience on a minimum of three projects is required.

(TAB 1g) Knowledge of watershed hydrology and waterway hydraulics in the northeast Illinois and northwest Indiana: demonstrate your knowledge of the specific watershed by studying, training or past project experiences. Describe your project involvement or studying for a minimum of one watershed in northeast Illinois or northwest Indiana or three watersheds with similar hydrologic characteristics in other geographical areas.

6.2 Section 2: PAST PERFORMANCE (TAB 2)

Past Performance Rating: Any unsatisfactory ratings or more than two marginal ratings will result in an Unacceptable (No- Go) Rating.

The Offeror shall provide a list of the relevant projects, with a Point of Contact Name and Telephone Number. The Government will contact a minimum of two references for interviewing purposes; references interviewed will be requested to rate the Offeror's: a) Quality of Work; b) Timely Performance; c) Effectiveness of Management; d) Compliance with Safety Standards; and e) Compliance with Labor Standards.

If the Government does not obtain past performance information for the projects identified by the Offeror or cannot establish a past performance record for the Offeror through other sources, past performance will be rated neither favorably nor unfavorably. The performance risk will be considered unknown.

6.3 Section 3: STANDARD FORM 33, PRICE PROPOSAL & REPRESENTATIONS AND CERTIFICATIONS (DOCUMENTS SHALL BE SUBMITTED IN ORIGINALS AND ENCLOSED IN A CLEARLY MARKED ENVELOPE) **Note: If any Amendments are issued against this Solicitation, the offeror shall include its acknowledgment of those Amendments in this Section.**

**STANDARD FORM 33 (Page 1 of the Solicitation)**: Blocks #13 THROUGH #18 on the first page of the Solicitation (Standard Form 33) shall be completed by an authorized person from the company or joint venture.

**SECTION B OF THE SOLICITATION DOCUMENT (BID SCHEDULE)**: **The Bid Schedule is contained in Section B of this Solicitation and shall serve as the offeror's Price Proposal.** Price will be evaluated for fairness and reasonableness through the use of price analysis.

**SECTION K OF THE SOLICITATION DOCUMENT (REPRESENTATIONS AND CERTIFICATIONS)**: The offeror must complete and submit the Representations and Certifications contained in Section K of this Solicitation along with all other documents required by this Solicitation. Offers received without this Section fully completed will be rejected, considered non-responsive and ineligible for award.

7.0 TECHNICAL QUALITY EVALUATION OF PROPOSALS

Offerors are advised that the technical evaluation of proposals are conducted in strict confidence in that technical evaluation personnel review each proposal without knowledge of the price offered.

| | | |
|---|---|---|
| 52.214-34 | Submission Of Offers In The English Language | APR 1991 |
| 52.214-35 | Submission Of Offers In U.S. Currency | APR 1991 |
| 52.215-1 | Instructions to Offerors--Competitive Acquisition | JAN 2004 |

CLAUSES INCORPORATED BY FULL TEXT

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a firm-fixed-priced Services Contract resulting from this solicitation.

(End of provision)

52.233-2 SERVICE OF PROTEST (SEP 2006)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from Regina G. Blair, USACE-Chicago District, Contracting Branch, 111 North Canal Street, Ste 111, Chicago, IL 60606.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

www.arnet.gov

(End of provision)

# PROPOSAL EVALUATION SYSTEM
# (EVALUATION FACTORS FOR AWARD)

## PART 1 GENERAL

### 1.1 PROPOSAL EVALUATION

An evaluation team will evaluate each eligible proposal in response to this RFP. The number and identities of offerors are not revealed to anyone who is not involved in the evaluation and award process or to other offerors. Proposals will be evaluated based on the factors described herein. The technical and non-technical aspects of each proposal will be evaluated.

### 1.2 EVALUATION PROCESS

The evaluation process essentially consists of three parts, which are described in paragraphs 1.3, 1.4 and 1.5 below.

### 1.3 PROPOSAL COMPLIANCE REVIEW

The Source Selection Chairperson will make an initial review of each of the proposals to look for apparent errors, omissions and areas that require clarification. Thereafter, the findings will be submitted to the Contracting Officer for review. This information will state the specific nature of the question and the page and paragraph of the proposal requiring correction or clarification. The Contracting Officer will review the findings and, if considered appropriate, task the Chairperson to submit questions to the offerors for a quick response to the Contracting Officer. The Chairperson and the Contracting Officer will not cite apparent deficiencies (parts of the proposal that fail to meet the Government's requirements). The proposals will not be evaluated at that time. The purpose of this preliminary review session is to eliminate minor irregularities or apparent clerical mistakes. This preliminary evaluation will assure that each proposal contains a technical and price proposal, and that all required forms and certifications have been fully completed.

### 1.4 TECHNICAL ACCEPTABILITY EVALUATION

The evaluation team will evaluate each proposal passing the first review, above. Proposals will be evaluated against the technical and quality RFP requirements indicated. The technical/quality factors will be rated on a qualitative basis to determine if it is technically acceptable. The ratings are as follows:

Go/No Go Ratings: A proposal must satisfy all the evaluation factors, or it will be considered ineligible for contract award. A technical proposal is considered technically acceptable when all evaluation factors are rated as a "GO."

a. Acceptable (Go rating) - At a minimum the proposal demonstrates acceptable understanding of requirements and approach, and experience that meets performance or capability standards.

b. Not-Acceptable (No-Go Rating) - Offeror fails to meet performance and capability standards or experience or sufficient information was not provided to allow an evaluation. Requirements can only be met with major changes to the proposal.

1.5 PRICE EVALUATION

The proposals are evaluated for all technical (non-price) criteria and then all who successfully meet the technical evaluation criteria are evaluated by price. Price will be evaluated for fairness and reasonableness using price analysis.

PART 2 DESCRIPTION OF TECHNICAL PROPOSAL EVALUATION CRITERIA

2.1 The technical evaluation criteria (Sections 1 through 2) will be rated on a qualitative basis. Price (Section 3) is considered separately as discussed in Para. 1.5 PRICE EVALUATION, above.

2.2 Section 1: EXPERIENCE (TAB 1)

The Offeror must provide documentation to demonstrate individual experience to adequately lead a technical committee and evaluate flow measurement techniques and the diversion accounting procedure.

(TAB 1a) Education and experiences in hydrology, hydraulics and computer modeling: provide academic degree(s) earned and describe general experiences, in terms of the number of years and job capacity, in hydrology, hydraulics and computer modeling. A minimum of twenty years of combined education and experience in hydrology, hydraulics and computer modeling is required.

(TAB 1b) Professional engineer registration: provide the state and status of registration.

(TAB 1c) Experience of chairing hydrologic and hydraulic engineering investigation committee or task force and providing H/H engineering testimony in public meetings: provide the name and duration of the committee or task force. The individual shall have, at a minimum, chaired one investigation committee or task force.

(TAB 1d) Publication of hydrologic and hydraulic engineering: provide a list of books, technical papers and reports the individual authored or co-authored – indicate the title, publisher and year of publication. A minimum of three publications is required.

(TAB 1e) Experience of precipitation and stream flow measurement: provide a list of projects that the individual worked – specify the individual's role, percentage of time spent, duration of the project and deliverable product. Experience on a minimum of three projects is required.

(TAB 1f) Experience of statistical analyses for hydrologic and hydraulic applications: provide a list of projects that the individual performed – specify the individual's role, percentage of time spent, duration of the project and deliverable product. Experience on a minimum of three projects is required.

(TAB 1g) Knowledge of watershed hydrology and waterway hydraulics in the northeast Illinois and northwest Indiana: demonstrate your knowledge of the specific watershed by studying, training or past project experiences. Describe your project involvement or studying for a minimum of one watershed in northeast Illinois or northwest Indiana or three watersheds with similar hydrologic characteristics in other geographical areas.

2.3 Section 2: PAST PERFORMANCE (TAB 2)

Past Performance Rating: Any unsatisfactory ratings or more than two marginal ratings will result in an Unacceptable (No- Go) Rating.

The Offeror shall provide a list of the relevant projects, with a Point of Contact Name and Telephone Number. The Government will contact a minimum of two references for interviewing purposes; references interviewed will be requested to rate the Offeror's: a) Quality of Work; b) Timely Performance; c) Effectiveness of Management; d) Compliance with Safety Standards; and e) Compliance with Labor Standards.

If the Government does not obtain past performance information for the projects identified by the Offeror or cannot establish a past performance record for the Offeror through other sources, past performance will be rated neither favorably nor unfavorably. The performance risk will be considered unknown.

PART 3 CONTRACT AWARD

3.1 AWARD. The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. Award will be made to the responsive and responsible offeror submitting the lowest priced, technically acceptable offer. A technically acceptable offer is one in which the offeror complies with the instructions contained in Section L of this Solicitation and does not take exception, nor object, to any of the terms of this Solicitation. Offers that are not technically acceptable will not be considered.